
L-Alanine, Plant Culture Tested

PCT0301

Product Identifier

CAS No.	:	56-41-7
EC No.	:	200-273-8
Molecular Formula	:	C ₃ H ₇ NO ₂
Molecular Weight	:	89.09
Synonym	:	2-Aminopropionic acid
HS Code	:	2922 49 90
Storage	:	Below 30°C
Shelf life	:	4 years

Technical Specification

Appearance	:	White crystals or powder
Solubility	:	100 mg soluble in 1 mL of water
pH (5% in water at 25°C)	:	5.50 - 7.00
FTIR	:	Matches with the standard pattern
Specific rotation (c = 10% in 6N HCl)	:	+13.70° to +15.10°
Loss on drying (at 105°C, 2 hr)	:	<= 0.50%
Residue on ignition	:	<= 0.15%
Assay (NT, on dried basis)	:	99.00 - 101.50%
Plant Tissue Culture Test	:	Passes

Safety Information

UN No.	:	Not dangerous goods
Class	:	-
Packing Group	:	-
RTECS	:	AY2990000
WGK	:	1